

**BI-DIRECTIONAL PACKAGE DIVERT  
MECHANISM AND METHOD OF USE**

**ABSTRACT OF THE DISCLOSURE**

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A bi-directional package divert mechanism used for sorting mail and other packages and items into appropriate bins for future delivery.

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The mechanism includes a downward extending moving mechanism which is capable of moving items into one of two directions, both perpendicular to an original direction of travel. Sensors are provided which detect a position of the moving mechanism, items for moving and monitoring of other systems.